

**Focus Report**  
New Chemicals Program  
PMN Number: **P-14-0242**

Focus Date: 01/30/2014 12:00:00 AM Report Status: Completed  
Consolidated Set:  
Focus Chair: Brian Lee Contractor: Olga Svetlitskaya

**I. Notice Information**

Submitter: [REDACTED] CAS Number: [REDACTED]  
Chemical Name: [REDACTED]  
Use: [REDACTED]

Other Uses: [REDACTED]

PV-Max:  
Manufacture: X Import:

**II. SAT Results**

(1) **Health Rating:** 1-2 **Eco Rating:** 2 **Comments:** ;  
**Occupational:** 0-1 **Non-Occupational:** 3 **Environmental:** 3  
(1) **PBT:** 1 1 **Comments:**  
Awaiting Human  
Health Entry  
Awaiting Human  
Health Entry  
Awaiting Human  
Health Entry

**III. OTHER FACTORS**

**Categories:**

Health Chemical Category: Ecotox SAR and TSCA New Chemical Category: [REDACTED]; None

**Related Cases/Regulatory History:**

Health related Cases: [REDACTED]  
Ecotox Related Cases: **Analogs:** [REDACTED]  
Regulatory History: [REDACTED] - GRANTED  
[REDACTED] - drop with non 5(e) snur

**MSDS/Label Information:**

MSDS: Yes Label: No  
General Equipment: Ensure adequate ventilation, especially in confined areas. // Wear safety glasses with side shields (or goggles) and a face shield. // Wear protective gloves and suitable protective clothing. Normal work clothing (long sleeved shirts and long pants) and closed-toe shoes are recommended.  
Respirator: If engineering controls do not maintain airborne concentrations below recommended exposure limits or to an acceptable level, an approved respirator must be worn. use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.  
Health Effects: Irritating to eyes. Causes redness and pain. // Irritating to skin. Allergic reactions are possible. //

TLV/PEL (PMN or raw material):

Irritating to respiratory system. May be harmful by inhalation. // Harmful if swallowed. Irritating to mouth, throat, and stomach.  
- None established.

#### Exposure Based Information:

Exposure Based Review:

Exposure Based Review (Eco):

Exposure Based Review

(Non Occupational):

Exposure Based Review (Health):

Exposure Based (Occupational):

Exposure Based (Environmental):

## IV. Summary of SAT Assessment

### Fate:

#### Fate Summary:

P-14-0242

FATE: Estimations for

log Kow = (M)

log Koc = (E)

log Fish BCF = 0.50 (E)

log Fish BAF = -0.05 (E)

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PMN Substance:

S > 10 g/L at 25 C (E)

VP < 1.0E-6 torr at 25 C (E)

BP > 400 C (E)

H < 1.00E-8 (E)

POTW removal (%) = 90 via biodeg

Time for complete ultimate aerobic biodeg = da

Sorption to soils/sediments = low

PBT Potential: P1B1

\*CEB FATE: Migration to ground water = negl

### Health:

#### Health Summary:

Absorption is nil through the skin (pchem), good through the lungs and GI tract based on analogs. Uncertain concern for immunotoxicity based on and respiratory sensitization, developmental toxicity based on the alkanolamines.

### Ecotox:

#### Ecotox Values:

Fish 96-h LC50: 8(P)

Daphnid 48-h LC50: 64(P)

Green algal 96-h EC50: 40(P)

Fish Chronic Value: 3.6(P)

Daphnid ChV: >10(P)

Algal ChV: 10(P)

#### Ecotox values comments:

Predictions are based on SARs for compounds with molecular weight adjustment; SAR chemical class = S > 600,000 mg/L (P); effective concentrations based on 100% active ingredients and mean measured concentrations; hardness <150.0 mg/L as CaCO<sub>3</sub>; and TOC <2.0 mg/L;

#### Ecotox Factors:

Assessment Factor: 10

Concern Concentration:

- Acute Value

Concern Concentration: 360

- Chronic Value

## V. Summary of Exposures/Releases

**Engineering Summary:** P-14-0242

[illegible]

## **VI. Focus Decision and Rationale**

### **Regulatory Actions**

Regulatory Decision: PMN Drop with Letter

Decision Date: 01/30/2014

Type of Decision:

Rationale:

P-14-0242 was dropped from further review with a letter to recommend modifying the MSDS. Human health hazard concerns were low-moderate for inhalation exposures. The letter to the submitter will recommend that the MSDS be modified to remove the qualifying language surrounding respiratory PPE use and to include impervious gloves. Ecotoxicity hazard concerns were moderate based on SAR predictions for [REDACTED]. Potential risks to the environment were low due to no releases to water. This PMN is used [REDACTED].

COC: Chronic – 360 ppb, Acute – 1,600 ppb

Summary of Exposures and Releases

Manu

[REDACTED]

Dermal: Not requires, per SAT

Releases to Air:

[REDACTED]

Fate Releases to Air

[REDACTED]

P2 Rec Comments:

**Testing:**

**Final Recommended:**

Health:

Eco:

Fate:

Other:

## SAT Report

PMN Number: P-14-0242

SAT Date: 1/24/2014

Print Date: 6/17/2015

### Related cases:

Health related cases:

Ecotox related cases: Analogs:

### Concern levels:

Type of Concern:	<u>Health</u>	<u>Eco</u>	<u>Comments</u>
Level of Concern:	1-2	2	

<u>Persistence</u>	<u>Bioaccum</u>	<u>Toxicity</u>	<u>Comments</u>
1	1	1	
		Awaiting	
		Human Health	
		Entry	
		Awaiting	
		Human Health	
		Entry	
		Awaiting	
		Human Health	
		Entry	

### Exposure Based Review:

Health: No

Ecotox: No

### Routes of exposure:

Health: Drinking Water Inhalation

Ecotox: All releases to water

Fate: ;

### Keywords:

Keywords:

### Summary of Assessment:

#### Fate:

Fate Summary: P-14-0242

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 FATE: Estimations for [REDACTED]  
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 PBT Potential: P1B1  
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### **Ecotox:**

Test Organism	Test Type	Test End Point	Predicted	Measured	Comments
fish	96-h	LC50	8		
daphnid	48-h	LC50	64		
green algal	96-h	EC50	40		
fish	–	chronic value	3.6		
daphnid	–	chronic value	>10		
algal	–	chronic value	10		
Sewage Sludge	3-h	EC50	–		
Sewage Sludge	–	Chronic Value	–		

**Ecotox Values Comments:** Predictions are based on SARs for iron compounds with molecular weight adjustment; SAR chemical class = [REDACTED]  
 [REDACTED] S > 600,000 mg/L (P); effective concentrations based on 100% active ingredients and mean measured concentrations; hardness <150.0 mg/L as CaCO<sub>3</sub>; and TOC <2.0 mg/L;

Factors	Values	Comments
Assessment Factor	10	
Concentration of Concern (ppb) Acute		
Concentration of Concern (ppb) Chronic	360	
SARs		
SAR Class		
TSCA New Chemical Category	None	

**Ecotox Factors Comments:**

**SAT Chair:** Viktor Morozov

**Fate assessor:** **Ecotox assessor:** **Health assessor:**